Data Sheet
Fujitsu FUTRO S450-2 Thin Client

The Low-priced high-end Thin Client

The small but powerful FUTRO S450 is your ideal client for server-based computing and virtual workplace solutions, as a thin client for Windows terminal services or as Java-based network terminal. Low power consumption, no fans nor rotating drives make your system a reliable and quiet thin client.

Green technology
Your company's contribution to environmental protection
- A modern, environmentally conscious product concept - from development to recycling

Relaxed working
Quiet system for a pleasant working environment
- Flash memory and passive cooling concept

Energy efficiency
Saves energy and reduces CO2 emissions
- Integrated system concept with high-level power-saving components

Security
Prevents the installation of non-licensed software and virus infections
- Write-protected file system which can be written by the administrator as required

Backpack solution
Fewer cables and less space needed
- The FUTRO S450 can be mounted behind the screen

AMD Sempron · ENERGY STAR · epeat SILVER · Green IT · Backpack Solution · Manageability · Fanless · VDI Ready

Technical details Components

Base unit	FUTRO S450-2
Operating system and software (Linux)	
Operating system	eLux® RL - Embedded Linux
Functions	ICA-Client RDP-Client Browser Mozilla Firefox Acrobat Reader Tarantella-Client Terminal emulations for ANSI, 97801, VT320 X.11 terminal application Local SAP GUI (optional, available at www.myelux.com) VMware® View 4 Client (including support for PCoIP)
Options available via customizing	Wireless LAN support Remote administration VPN support Firewall support
Manageability	Flash memory management, Embedded operating system update and system monitoring, Managing devices by location, group or user, Individual operating system composition with ELIAS (only with eLux® RL), Scout EP V11
VPN (Linux)	VPN client from Cisco (optional, provided by UniCon Software Development)
Mainboard	
Formfactor	miniITX
Processor	AMD Sempron™ 200U (1 GHz,)
Chipset	AMD M690E, SB600
Processor quantity maximum	1
Memory slots	1
Supported capacity RAM (max.)	1 GB
LAN	Built-in 10/100/1000 MBit/s
Audio type	On board
Audio codec	Realtek ALC262
Audio features	AC'97 codec
Slots	
Interfaces	
DC-in	1
Audio: line-in	1
Audio: line-out / headphone	1
Audio: line-in / microphone	1
Audio: line-out	1
Front audio: headphone	1
Front audio: line-in / microphone	1
USB 2.0 total	8
USB front	2
USB rear	4
USB internal	2
VGA	1 optional
DVI	1 DVI-I, second DVI-D optional
Serial (RS-232)	1
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	1

Interfaces	
Kensington Lock support	1
CF Card slot	1
Input device / components	
Graphics	
Graphics brand name	AMD® Radeon X1250
Graphics resolution	2048 x 1536 pixel
Graphics color depth	32 bit colors
Shared video memory	up to 256 MB
Refresh rate 1024 x 768 (recommended / max.)	60 Hz / 85 Hz
Refresh rate 1280 x 1024 (recommended / max.)	60 Hz / 85 Hz
Refresh rate 1600 x 1200 (recommended / max.)	60 Hz / 85 Hz
TFT resolution (VGA)	1920 x 1200 pixel
TFT resolution (DVI)	1920 x 1200 pixel
Graphics features	DirectX 9
Graphics notes	Dual monitoring with optional DVI-D Adapter for Dual DVI Dual Monitoring via optional Y-cable possible (DVI-I to DVI-D and VGA)
Network	
Network	TCP/IP with DNS and DHCP Point-to-Point protocol Supported Citrix Load Balancing over ICA DHCP support for automatic firmware upgrades and unit configuration Multiple master browser support on ICA
Hard disk drives (internal)	
Electrical values	
Rated voltage range	100 V - 240 V (AC Input)
Rated frequency range	50 Hz - 60 Hz
Operating voltage range	100 V - 240 V (AC Input)
Operating line frequency range	50 Hz - 60 Hz
Power consumption for standard configuration with eLux RL	
Power consumption: Maximum (S0, running appl.)	18.0 W
Power consumption: Idle (S0, running OS, Idle mode)	13.2 W
Power consumption: Minimum (ACPI status S5, soft off, WOL enabled)	0.74 W
Dimensions / Weight / Environmental	
Dimension with stand (W x D x H)	97 x 191 x 266 mm
Operating position	Backpack solution (optional)
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35°C
Operating relative humidity	5 - 85 % (relative humidity)
Compliance	
Product	FUTRO S450-2
Model	TCS-D2963
Germany	GS
Europe	CE certification according to EC Directive 2004/108/EEC CB

Compliance	
USA/Canada	CSA ICES-003 Class B CAN/CSA
Global	ENERGY STAR® 5.0 RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) EPEAT® Silver (dedicated regions)
Japan	VCCI
India	WPC
Russia	GOST
China	CCC (AC-Adapter)
Saudi Arabia	SASO
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/

Security	
Audit proof protection	Write protection for the Flash module

Warranty	
Service level	(depending on country)
Maintenance and Support Services - the perfect extension	
Recommended Service	5x9, Response Time: Next Business Day
Service Weblink	http://www.fujitsu.com/fts/services/support

More information

Fujitsu OPTIMIZATION Services

In addition to Fujitsu FUTRO S450-2, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio
Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu FUTRO S450-2, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts/FUTRO

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.
Please find further information at http://www.fujitsu.com/global/about/environment/

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